

Table J1b. - Physical Properties of the Soils

Greensville County, Virginia

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
1B:														
Abell	0-9	---	---	10-27	1.25-1.45	0.6-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-14	---	---	18-35	1.35-1.55	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	14-40	---	---	30-45	1.35-1.55	0.6-2	0.11-0.17	3.0-5.9	0.0-0.5	.28	.28			
	40-65	---	---	10-27	1.45-1.60	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2A:														
Altavista	0-10	---	---	10-24	1.30-1.50	2-6	0.12-0.20	0.0-2.9	0.5-3.0	.24	.24	5	3	86
	10-50	---	---	18-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
	50-68	---	---	0-60	1.25-1.60	0.2-14	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3A:														
Altavista	0-10	---	---	10-24	1.30-1.50	2-6	0.12-0.20	0.0-2.9	0.5-3.0	.24	.24	5	3	86
	10-50	---	---	18-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
	50-68	---	---	0-60	1.25-1.60	0.2-14	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
3A:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4B3:														
Appling	0-4	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.28	.28	3	5	56
	4-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	42-64	---	---	0-40	1.30-1.60	0.6-14	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4C3:														
Appling	0-4	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.28	.28	3	5	56
	4-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	42-64	---	---	0-40	1.30-1.60	0.6-14	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5B:														
Appling	0-12	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	12-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-43	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	43-63	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
5B:														
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6B:														
Appling	0-12	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	12-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-43	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	43-63	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Louisburg	0-11	---	---	5-15	1.35-1.55	6-20	0.07-0.10	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-24	---	---	7-18	1.40-1.60	6-20	0.08-0.12	0.0-2.9	0.0-0.5	.24	.24			
	24-60	---	---	0-40	1.30-1.60	0.6-20	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6C:														
Appling	0-12	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	12-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-43	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	43-63	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Louisburg	0-11	---	---	5-15	1.35-1.55	6-20	0.07-0.10	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-24	---	---	7-18	1.40-1.60	6-20	0.08-0.12	0.0-2.9	0.0-0.5	.24	.24			
	24-60	---	---	0-40	1.30-1.60	0.6-20	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
6C:														
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7B:														
Appling	0-12	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	12-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-43	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	43-63	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Mattaponi	0-15	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	15-60	---	---	33-60	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	60-69	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7C:														
Appling	0-12	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	12-30	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	30-43	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	43-63	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Mattaponi	0-15	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	15-60	---	---	33-60	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	60-69	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
8A:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Bojac	0-8	---	---	3-8	1.20-1.50	6-20	0.05-0.10	0.0-2.9	0.5-1.0	.17	.17	3	2	134
	8-47	---	---	11-16	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.20			
	47-85	---	---	1-6	1.30-1.80	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.17	.28			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9A:														
Chenneby	0-3	---	---	12-27	1.30-1.60	0.6-2	0.14-0.20	0.0-2.9	0.5-3.0	.37	.37	5	5	56
	3-47	---	---	12-35	1.30-1.50	0.6-2	0.15-0.20	0.0-2.9	0.0-1.0	.32	.32			
	47-62	---	---	8-30	1.30-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Riverview	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10B3:														
Craven	0-4	---	---	27-40	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.5-2.0	.37	.37	5	6	48
	4-42	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	42-60	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
10B3:														
10C3:														
Craven	0-4	---	---	27-40	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.5-2.0	.37	.37	5	6	48
	4-42	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	42-60	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11A:														
Dothan	0-17	---	---	5-15	1.30-1.60	2-6	0.06-0.10	0.0-2.9	0.0-0.5	.15	.15	5	2	134
	17-44	---	---	18-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	44-78	---	---	18-40	1.45-1.70	0.2-0.6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.28			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12B:														
Emporia	0-15	---	---	5-10	1.30-1.40	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.28	.28	4	2	134
	15-32	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-57	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
	57-70	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	0.0-2.9	0.0-0.5	.20	.20			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greenville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
12B:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13A:														
Faceville	0-11	---	---	2-10	1.45-1.65	6-20	0.06-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	11-44	---	---	20-50	1.35-1.60	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.37	.37			
	44-68	---	---	35-55	1.25-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.37	.37			
Dothan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14B:														
Fluvanna	0-5	---	---	5-27	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.37	.37	4	3	86
	5-55	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	55-99	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15B3:														
Fluvanna	0-11	---	---	27-40	1.30-1.55	0.6-2	0.16-0.19	3.0-5.9	0.5-2.0	.37	.37	3	6	48
	11-46	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	46-60	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

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										Kw	Kf	T		
15B3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15C3:														
Fluvanna	0-11	---	---	27-40	1.30-1.55	0.6-2	0.16-0.19	3.0-5.9	0.5-2.0	.37	.37	3	6	48
	11-46	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	46-60	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16B3:														
Fluvanna	0-11	---	---	27-40	1.30-1.55	0.6-2	0.16-0.19	3.0-5.9	0.5-2.0	.37	.37	3	6	48
	11-46	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	46-60	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Goldston	0-6	---	---	5-27	1.40-1.60	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.15	.32	1	8	0
	6-19	---	---	5-27	1.40-1.60	2-6	0.06-0.12	0.0-2.9	0.0-0.5	.05	.32			
	19-26	---	---	---	---	0.0000-0.006	---	---	---	---	---			
	26-30	---	---	---	---	0.0000-0.006	---	---	---	---	---			
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16C3:														

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
16C3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Fluvanna	0-11	---	---	27-40	1.30-1.55	0.6-2	0.16-0.19	3.0-5.9	0.5-2.0	.37	.37	3	6	48
	11-46	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	46-60	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Goldston	0-6	---	---	5-27	1.40-1.60	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.15	.32	1	8	0
	6-19	---	---	5-27	1.40-1.60	2-6	0.06-0.12	0.0-2.9	0.0-0.5	.05	.32			
	19-26	---	---	---	---	0.0000-0.006	---	---	---	---	---			
	26-30	---	---	---	---	0.0000-0.006	---	---	---	---	---			
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17B:														
Fluvanna	0-5	---	---	5-27	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.37	.37	4	3	86
	5-55	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	55-99	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Mattaponi	0-15	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	15-60	---	---	33-60	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	60-69	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17C:														
Fluvanna	0-5	---	---	5-27	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.37	.37	4	3	86
	5-55	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	55-99	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
17C:														
Mattaponi	0-15	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	15-60	---	---	33-60	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	60-69	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18B:														
Georgeville	0-8	---	---	5-27	1.20-1.40	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.43	.43	4	5	56
	8-12	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	12-45	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	45-60	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19B3:														
Georgeville	0-12	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	12-45	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	45-60	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19C3:														
Georgeville	0-12	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	12-45	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	45-60	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
19C3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20B:														
Helena	0-6	---	---	5-20	1.58-1.62	2-6	0.08-0.10	0.0-2.9	0.5-2.0	.15	.24	3	3	86
	6-30	---	---	35-60	1.44-1.55	0.06-0.2	0.13-0.15	6.0-8.9	0.0-0.5	.28	.28			
	30-60	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21B:														
Iredell	0-7	---	---	15-35	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	7-26	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	26-31	---	---	15-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
	31-60	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---

22C3:

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
22C3:														
Iredell	0-4	---	---	15-35	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	4-31	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	31-60	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23D:														
Louisburg	0-11	---	---	5-15	1.35-1.55	6-20	0.07-0.10	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-24	---	---	7-18	1.40-1.60	6-20	0.08-0.12	0.0-2.9	0.0-0.5	.24	.24			
	24-60	---	---	0-40	1.30-1.60	0.6-20	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			
Rock Outcrop	0-60	---	---	---	---	0.0000	---	---	---	---	---	---	---	0
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25B:														
Mattaponi	0-15	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	15-60	---	---	33-60	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	60-69	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Woodington	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
25B:														
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25C:														
Mattaponi	0-5	---	---	5-27	1.25-1.55	2-6	0.05-0.15	0.0-2.9	1.0-3.0	.28	.32	5	5	56
	5-42	---	---	35-65	1.45-1.70	0.2-0.6	0.05-0.11	3.0-5.9	0.0-0.5	.28	.32			
	42-60	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26A:														
Orangeburg	0-16	---	---	4-10	1.35-1.55	2-6	0.06-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	16-57	---	---	18-35	1.60-1.75	0.6-2	0.11-0.14	0.0-2.9	0.0-0.5	.24	.24			
	57-71	---	---	15-45	1.60-1.75	0.6-2	0.11-0.14	0.0-2.9	0.0-0.5	.24	.24			
Dothan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27A:														
Peawick	0-4	---	---	10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	4-65	---	---	35-60	1.30-1.50	0.001-0.06	0.10-0.17	6.0-8.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
28B3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Peawick	0-3	---	---	25-40	1.25-1.35	0.2-0.6	0.12-0.19	3.0-5.9	0.5-1.0	.37	.37	3	6	48
	3-65	---	---	35-60	1.30-1.50	0.001-0.06	0.10-0.17	6.0-8.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28C3:														
Peawick	0-3	---	---	25-40	1.25-1.35	0.2-0.6	0.12-0.19	3.0-5.9	0.5-1.0	.37	.37	3	6	48
	3-65	---	---	35-60	1.30-1.50	0.001-0.06	0.10-0.17	6.0-8.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29:														
Pits, quarry	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30A:														
Riverview	0-6	---	---	10-27	1.30-1.60	0.6-2	0.16-0.24	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	6-38	---	---	18-35	1.20-1.40	0.6-2	0.15-0.22	0.0-2.9	0.5-1.0	.24	.24			
	38-81	---	---	4-18	1.20-1.50	2-6	0.07-0.11	0.0-2.9	0.5-1.0	.17	.17			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31A:														
Roanoke	0-5	---	---	10-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.37	.37	4	5	56
	5-43	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	3.0-5.9	0.0-1.0	.24	.24			
	43-74	---	---	5-50	1.20-1.50	0.001-20	0.04-0.14	3.0-5.9	0.0-0.5	.24	.28			

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
31A:														
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
32A:														
Roanoke	0-16	---	---	10-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-3.0	.37	.37	4	8	0
	16-53	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	3.0-5.9	0.0-1.0	.24	.24			
	53-77	---	---	5-50	1.20-1.50	0.001-20	0.04-0.14	3.0-5.9	0.0-0.5	.24	.28			
Chenneby	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33A:														
Slagle	0-9	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	3	3	86
	9-20	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	20-55	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	55-66	---	---	5-32	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Woodington	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
34A:														

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
34A:														
State	0-20	---	---	2-8	1.35-1.45	2-6	0.06-0.09	0.0-2.9	0.5-1.0	.28	.28	5	2	134
	20-48	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	48-63	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
35A:														
Tarboro	0-32	---	---	3-12	1.60-1.75	6-20	0.05-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	32-72	---	---	2-7	1.60-1.75	20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
Wet Spots	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Riverview	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
36B:														
Uchee	0-34	---	---	3-10	1.30-1.70	6-20	0.05-0.10	0.0-2.9	0.2-3.0	.10	.10	5	2	134
	34-52	---	---	8-30	1.40-1.60	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	52-66	---	---	25-50	1.40-1.60	0.2-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
37:														
Udorthents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
38A:														
Wickham	0-8	---	---	8-15	1.45-1.65	2-6	0.11-0.16	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-76	---	---	18-35	1.30-1.50	0.6-2	0.12-0.17	0.0-2.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39A:														
Wickham	0-6	---	---	8-15	1.45-1.65	2-6	0.11-0.16	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	6-55	---	---	18-35	1.30-1.40	0.6-2	0.12-0.17	0.0-2.9	0.0-0.5	.24	.24			
	55-70	---	---	0-40	1.30-1.60	0.6-20	0.04-0.16	0.0-2.9	0.0-0.5	.05	.24			
Chenneby	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Greensville County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
39A:														
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40A:														
Woodington	0-17	---	---	5-18	1.45-1.65	2-6	0.10-0.15	0.0-2.9	2.0-4.0	.20	.20	5	3	86
	17-43	---	---	5-18	1.45-1.65	2-6	0.10-0.15	0.0-2.9	0.0-1.0	.20	.20			
	43-76	---	---	3-18	1.45-1.65	2-20	0.06-0.15	0.0-2.9	0.0-0.5	.10	.10			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---